

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	98	ARVIN-TECHNOLOGIES-INC.as.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/28 16:51
S3	9	S2 and muffl\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/28 16:50
S4	45	S2 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/28 16:53
S5	5	NOHL-JOHN.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/28 16:54
S6	2	WOERNER-DAVID.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/28 16:54
S7	1	CALLAHAN-JOSEPH.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/28 16:57
S8	146	181/254.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/29 10:43
S12	59	displacement near2 demand near2 engines	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/28 16:59
S13	33	S12 and (muffl\$4 or exhaust)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/28 17:00
S14	196	181/237.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/28 17:25
S15	424	181/241,253,277,278.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/28 17:26

## EAST Search History

S18	30	S15 and (valve and actuat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/28 17:26
S29	98	arvin-technologies-inc.as.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/29 09:52
S33	146	181/254.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/29 10:44
S34	7	S33 and (return with spring)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/29 10:47
S36	196	181/237.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/29 10:47
S37	424	181/241,253,277,278.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/29 10:47
S38	12	(S36 or S37) and (return with spring)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/06/29 11:09